

Title (en)
Structure of an arched and thermally and acoustically insulated monolithic panel, particularly useful for the roofing of industrial and civil buildings and the like

Title (de)
Aufbau einer Wärme- und Schallisolierenden monolithischen gebogenen Platte, insbesondere nützlich zur Eindeckung von Zivil- und Industriegebäuden

Title (fr)
Structure d'un panneau monolithique courbe thermiquement et acoustiquement isolant, particulièrement utile pour recouvrir des bâtiments civils ou industriels

Publication
EP 1111147 B1 20050601 (EN)

Application
EP 00122494 A 20001014

Priority
IT MI992574 A 19991213

Abstract (en)
[origin: EP1111147A2] Structure of an arched monolithic panel for the roofing of industrial and civil buildings and the like, constituted of a sheet from key-patterned external metal plate (1), a sheet from internal metal plate (2), key-patterned or micro-staved, and the interposition between said sheets of a thermally insulating material (3), comprising at least a gasket (4) from yielding material to close, on the passage of air, the fissure created between the flat borders of the lower sheets of two panels coupled through the overlapping of a side key-pattern of a panel on that of the adjoining panel, a like gasket (5) interposed between the high parts of said key-patterns overlapping each other, as well as a sound-insulating and sound-absorbing acoustic barrier (6), interposed between the micro-staved and micro-holed bottom of said lower sheet and said thermally insulated material. Said structure comprises also a stiffening, substantially C-shaped element located at the opposite ends of the panel, transversally with respect to the key-patterns of said panel.

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